# **Important Issues (Materiality)**

**Innovation through Business** 

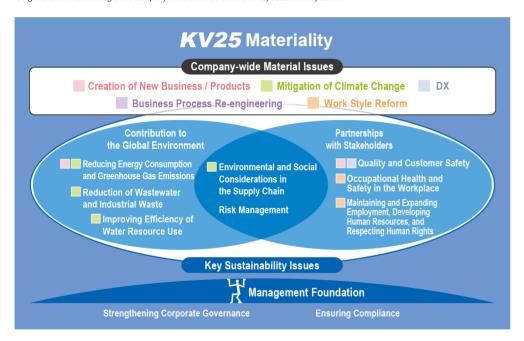
Sustainable Management

#### **KV25** Materiality

In order to realize its mission of being a company with a strong presence that can consistently provide happiness and delight to the environment, society and all stakeholders under the KAYAKU spirit, the Nippon Kayaku Group has analyzed disparities between its goals and the current situation and identified five key company-wide material issues (materiality) to be addressed as priorities: Creation of New Business and Products, Mitigation of Climate Change, DX, Business Process Re-engineering and Work Style Reform.

We have also appropriately identified key themes faced by the Group in implementing sustainable management, from both internal and external perspectives, defined them as key sustainability issues (materiality), and formulated a Sustainability Action Plan linked to our business activities.

KV25 places top priority on addressing these company-wide material issues and the key sustainability issues that supplement them, to contribute to the creation of a sustainable environment and society based on our Basic Policy on Sustainable Management. KV25 Materiality is a generic term combining these company-wide material issues and key sustainability issues.



<sup>\*</sup> The "\| " symbol in front of each key sustainability issue indicates that initiatives addressing company-wide material issues also link to initiatives addressing sustainability-related issues.

# Company-wide Material Issues Initiatives

In order to realize its mission, the Nippon Kayaku Group analyzed disparities between its goals and the current situation and identified five key issues that should be prioritized in company-wide cross-organizational projects, as company-wide material issues: Creation of New Business and Products, Mitigation of Climate Change, DX, Business Process Re-engineering and Work Style Reform. Our Materiality Cross-Functional Team (M-CFT), composed of members selected from multiple divisions, is working to instill awareness of initiatives addressing company-wide material issues and speed up the resolution of each issue.

Company-wide material iss	sues	Initiatives				
Creation of New Business and Products	: <u>∰</u> :	Creation of New Business and Products Team will collaborate with our three business units to create new businesses and products in the four fields of Mobility, Environment & Energy, Electronics, and Life Science, transcending the boundaries of existing organizational units and contributing to the realization of our mission.				
Mitigation of Climate Change	<b>②</b>	We will work to prevent global warming—such as the reduction of greenhouse gases emissions—and achieve carbon neutrality, and make united efforts with each plant and research institute to combat climate change risks.				
DX	<u> </u>	Our current goals are to drive DX (digital transformation) throughout the Group, increase sales through process transformation, and expand our businesses by reducing costs. Specifically, we will work to achieve DX in the areas of (1) IT education and awareness reform, (2) strengthening IT infrastructure through ERP and IT infrastructure restructuring, etc., (3) R&D, production, sales/marketing and management business processes.				
Business Process Re-engineering	1	We will work to improve our asset efficiency and earning power by reviewing our group business management, business operation / control (management) and cost control methods, and by improving work efficiency and productivity through A3 (KAIZEN)* activities aimed at business process improvement—to eliminate all kinds of waste—and cost reduction.				
Work Style Reform		We will work to implement workstyle reforms and personnel system reforms to enable every employee to work energetically and increase employee engagement, with the aim of being a good, strong, energetic company.				

<sup>\*</sup> A3 activities (KAIZEN): Awareness reform activities—based on awareness of reducing costs—designed to develop individual and organizational strengths (skills and expertise) and autonomy, to make the Nippon Kayaku Group an energetic company.

## Method for Identifying Key Sustainability Issues

Sustainable Management

To appropriately grasp issues facing the Nippon Kayaku Group from both internal and external perspectives and respond to the expectations and demands of stakeholders, the Group identified key medium-term CSR issues in 2019.

To coincide with the start of the new Medium-term Business Plan—KAYAKU Vision 2025—and the shift from CSR management to sustainable management, in April 2022, we changed the term "key CSR issues" to "key sustainability issues" and reviewed them in order to appropriately respond to the diversification of our business activities and various changes in social issues.

STEP 1

Recognition of themes

We identified themes based on those identified in the GRI Standards on requirements demanded by our
diversifying society, with the addition of the Group's previous key sustainability issues (KAYAKU Next Stage
Medium-term Business Plan Key CSR Issues).

STEP 2

Creating point scores from internal and external opinions

A. Point scores from external assessments
 Industry-specific assessment standards for the Company from multiple international assessment bodies
 promoting responsible investment and SASB\* industry-specific requirements were linked to key themes and
 converted into point scores as external evaluations.

B. Point scores from internal assessments
 The key themes of the Medium-term Business Plan for each internal business division and corporate division were linked to key themes and converted into point scores as internal evaluations.

\* SASB: Sustainability Accounting Standards Board. A US-based non-profit organization that formulates and publishes industryspecific sustainability disclosure standards.

STEP 3

Mapping materialities

The themes "strengthening corporate governance" and "thorough compliance" were identified as the most
important issues for corporate survival, while other themes were mapped as materialities based on pointscored internal and external evaluations. Threshold values were added to a point-based map, with themes
exceeding those values identified as materialities.

STEP 4

Validation and approval

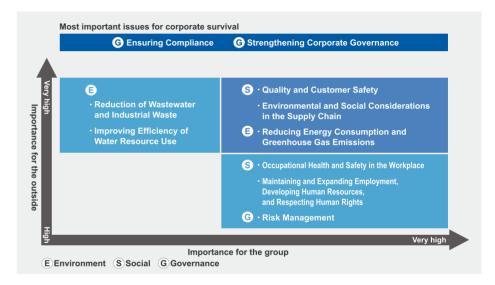
The methods used for identifying materialities and results obtained were reviewed by the Sustainable
Management Committee—one of the Company's decision-making bodies—while at the same time
incorporating the opinions of experts in the field of sustainability, and approved after two sessions of
discussions.

### Key Sustainability Issues Initiatives and KPIs -

The Nippon Kayaku Group has formulated a Sustainability Action Plan linking its business activities with the identified key sustainability issues. We also utilize the SDG Compass to link each materiality with one or more of the 17 SDGs. By implementing initiatives to achieve the KPIs in the Sustainability Action Plan, we will contribute to the achievement of the SDGs and the creation of a sustainable society.

#### **Key Sustainability Issues**

We have classified our key sustainability issues into three categories—most important issues for corporate survival, most important issues, and important issues—and established action plans for each issue.



Message from the President Sustainable Management Innovation through Business Environment Social Governance

#### **Sustainability Action Plan**

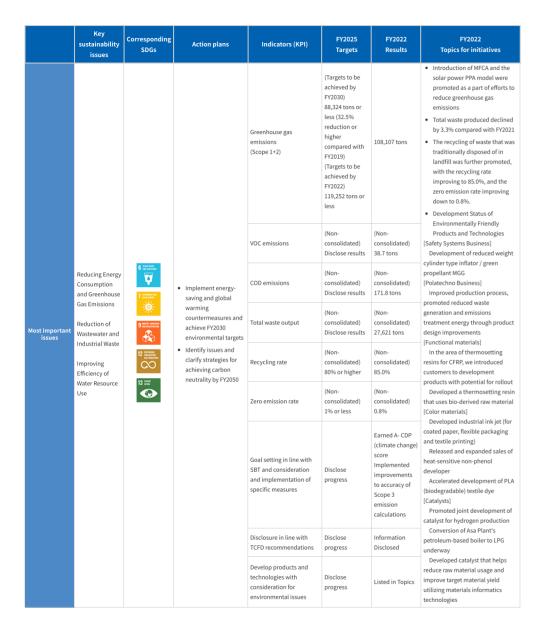
The Nippon Kayaku Group's Sustainability Action Plan utilizes the SDG Compass to link each key issue (materiality) with one or more of the 17 SDGs. By managing and disclosing the progress of KPIs every year and implementing sustainability activities, the Group aims to create environmental, social and economic value, help to achieve the SDGs (i.e., to create a sustainable society) and increase corporate value.

	Key sustainability issues	Corresponding SDGs	Action plans	Indicators (KPI)	FY2025 Targets	FY2022 Results	FY2022 Topics for initiatives
			Exercise thorough compliance, which is a basic principle for conducting corporate activities, and engaging in fair business operations     Maintain and enhance an open corporate culture with a high sense of ethics	Number of serious compliance violations *1	0	0	No significant compliance violations     Compliance training incorporates the theme of psychological safety in the
				Compliance training rate	100%	97%	workplace and was conducted at all Group companies in Japan
	Ensuring Compliance			Percentage of group companies with compliance / whistleblowing hotlines	100%	83%	As a result of checking all Group companies for the presence of internal reporting services, external reporting services and the establishment of regulations, we determined that reporting services had not been established at three overseas Group companies
Most important issues for corporate survival	• Strengt Strengthening governs Corporate manage Governance transpa	Strengthen corporate governance of the entire group and manage in a highly	Number of times that the assessment on the effectiveness of the Board of Directors meetings is evaluated	Once per year	Once	Conducted a questionnaire about assessment on the effectiveness of the Board of Directors, ascertained the current situation, identified issues, and formulated measures under an action plan. Improvements underway.  Enhanced timely disclosure information, Corporate Governance Report and disclosure of Company's Articles of Incorporation in English Promoted adoption of DX in management of the Board of Directors	
		transparent and sound manner	Number of times internal business audits are performed by the Audit Division	60 times in four years	22 times	Appointed one independent     Outside Audit & Supervisory     Board Member     Promoted formulation of     intellectual property policy and     strategy for intellectual     properties (responding to the     revised Corporate Governance     Code)     Promoted disclosure policies     for human resource     development and enhancing     the internal work environment     (responding to the revised     Corporate Governance Code)	

	Key sustainability issues	Corresponding SDGs	Action plans	Indicators (KPI)	FY2025 Targets	FY2022 Results	FY2022 Topics for initiatives
Most important issues	Quality and Customer Safety	16 miles	Enhance our quality control and quality assurance systems by continuously improving our quality management system and ensuring thorough quality-related governance     Implement quality management, improve production efficiency and reduce process abnormalities through digitalization	Number of serious complaints by customers 2	0	1	In FY2020 and FY2021 web conferencing systems and similar solutions were used for most activities including quality audits, quality education and training, and quality improvement activities due to the COVID-19 pandemic, but practical activities have now resumed
				Number of serious quality process abnormalities in processes <sup>2</sup>	0	1	In terms of educational activities to improve quality assurance and quality, to coincide with the start of Kv25, we created a Quality Mandalat that forms the basis for the systematic implementation of various quality-related education
	Considerations in the Supply	8 minutes.  M  12 minutes.  CO	environmental and social aspects, based	Response rate for confirmation of consent to Sustainable Procurement Guidelines	(Non- consolidated) 90%	(Non- consolidated) 99%	Sent questionnaires based on the details of sustainable procurement guidelines to roughly 300 companies ranked the highest in terms of purchase amounts, collected responses from 229 of them and statements confirming agreement from 226
		13 are		Formulation and implementation of improvement plans using questionnaires to suppliers	(Non- consolidated) Disclose progress		As no suppliers with human rights or environmental issues were identified based on the details of the sustainable procurement questionnaires that were retrieved, no requests to formulate improvement plans were issued. The details of responses will be checked at the suppliers we plan to audit in FY2023.

Others

Message from the President Sustainable Management Innovation through Business Environment Social Governance



	Key sustainability issues	Corresponding SDGs	Action plans	Indicators (KPI)	FY2025 Targets	FY2022 Results	FY2022 Topics for initiatives
			Number of serious accidents 3  Number of serious accidents 3  Acquisition of certifications under the Certification sunder the Certifications under the Certification for consolidated)  • Strengthen the foundation for safe operation by thoroughly enforcing basic rules on safety and health and improving equipment and work procedures  • Implement health and productivity management and work procedures  • Implement health and provide a workplace environment with a healthy work-life balance where employees can work with enthusiasm  • Percentage of employees who take mental health training  Percentage of employees receiving regular health checkups  Ascertaining and improving employee satisfaction through questionnaire surveys  Ascertaining and improving employee satisfaction through questionnaire surveys  On monoconsolidated)  (Non-consolidated) (Non-consolidated) to health management organization percental poid leave to take paid workplace employees or take paid to the third plan  • Mental health and productivity management with a healthy work-life balance where employees can work with enthusiasm  Ascertaining and improving employee satisfaction through questionnaire surveys progress		0	0	<ul> <li>No accidents requiring time off work occurred on a non- consolidated basis at Nippon</li> </ul>
Important issues	Occupational Health and Safety in the	3		Kayaku, including foroup companies and affiliates within Nippon Kayaku business premises  Continuously obtaining Health & Productivity Management Outstanding Organizations certification. Promoted activities to maintain and advance employee health to maintain certification  We failed to reach the target percentage of employees taking paid leave, but as previously, we continued to implement awareness raising activities via the Company intranet, had human resources and labor personnel call on employees to			
	Workplace	M			consolidated)	consolidated)	take paid leave at each workplace, set days on which employees are recommended to take paid leave, and implemented other measures
				who take mental health	consolidated)	consolidated)	The percentage of employees
				receiving regular health	consolidated)	consolidated)	undergoing health checks was maintained at 100%  We started conducting engagement surveys and conducting interviews with
				improving employee satisfaction through	consolidated) Disclose	-	companies that conduct surveys to determine the level of health & productivity management. Full-scale adoption is planned for the following fiscal year.

Others



Others

	Key sustainability issues	Risks	Opportunities		
Most important issues for corporate survival	Ensuring Compliance	Loss of social credibility due to compliance violations     Damage to corporate value     Sluggish business activities	Earning the trust of stakeholders		
	Strengthening Corporate Governance	Stagnation of business activities	Earning the trust of stakeholders     Improvement of social credibility		
Most important issues	Quality and Customer Safety	Customer disaffection due to quality nonconformities     Loss of social credibility due to violations of laws and regulations governing aspects such as quality control and labeling	Earning the trust of customers by supplying high- quality products		
	Environmental and Social Considerations in the Supply Chain	Adverse effects on corporate activities due to illegal acts or compliance violations by suppliers	Creation of a sustainable society     Increased long-term competitiveness		
	Reducing Energy Consumption and Greenhouse Gas Emissions Reduction of Wastewater and Industrial Waste Improving Efficiency of Water Resource Use	[Transition risks]  Increased operating costs due to the impact of tougher emissions regulations  Price increases for electric power and LPG, etc.  Rise in raw material prices due to the impact of tougher emissions regulations  Increase in costs for environmental disclosures and LCA calculations, etc.  [Physical risks]  Increase in costs due to flood damage caused by typhoons, heavy rain, high tides / storm surges, etc.  Impact of water shortages on operations  Decline in labor productivity due to rising temperatures	Growth of semiconductor-related materials and materials that contribute to achieving lower pow consumption, due to the shift to smart cities and the growth of DX Growth of materials for next-generation storage cells / batteries Growth of plastic / resin-type materials that contribute to the weight reduction of vehicle / mobility frames Growth of optical materials for reducing the weight of EVs and sensor materials for use in autonomo driving technologies Growth of bio-stimulants which contribute to maintaining and improving agricultural productivity, and expanding applications for existing agrochemicals in tackling pests which become new problems as a result of the expecterise in temperatures		
Important issues	Occupational Health and Safety in the Workplace	Loss of social credibility due to accidents and scandals     Decline in labor productivity and outflow of human resources	Fostering a safety culture     Improving employee work-engagement		
	Maintaining and Expanding Employment, Developing Human Resources, and Respecting Human Rights	Standardization of thinking and loss of new business opportunities due to bias in human resource attributes and skills     Loss of social credibility due to human rights violations	Fostering a corporate culture that generates new ideas through diversification of values     Contributing to the creation of a sustainable soc and increasing long-term competitiveness		
	Risk Management	Increase in management-related risks	Ensuring business continuity in emergencies		

	Key sustainability issues	Corresponding SDGs	Action plans	Indicators (KPI)	FY2025 Targets	FY2022 Results	FY2022 Topics for initiatives
		Promoting diversity and inclusion through the recruitment of diverse human resources, effective HR assignment and exchanges  Pass down and strengthen technical capabilities in monozukuri (manufacturing) and achieve globalization in human resources through ongoing human resources	and inclusion through the recruitment of diverse human resources, effective HR assignment and exchanges  Pass down and strengthen technical capabilities in monozukuri (manufacturing) and achieve globalization in human resources through ongoing human resource development  Engage in business operations that pay care and consideration to the	Percentage of female employees in management posts *4	(Non- consolidated) 10% or higher	(Non- consolidated) 9.0%	Lectures on self-directed career development delivered by female managers for human resources and labor personnel.
				Percentage of employees with disabilities	(Non- consolidated) Achieve legal minimum employment rate	(Non- consolidated) 1.98%	Lectures delivered by female industrial physicians regarding the advancement of health specific for women. Considered holding training sessions for female employees  Continued collaboration with special support schools as an
	Maintaining and Expanding Employment, Developing			Amount invested in education and training per employee	(Non- consolidated) Disclose results	(Non- consolidated) ¥83,002 / person	initiative to employ people with disabilities. Collected information about companies engaged in advanced initiatives to expand the job areas and
	Human Resources, and Respecting Human Rights			Training hours per employee	(Non- consolidated) Disclose results	(Non- consolidated) 14.9 hours	increase employment of people with disabilities through tours and sessions to exchange opinions
				Number of training sessions held on human rights	Once or more per year	Once	Conducted e-learning-based training regarding the Nippon Kayaku Group Human Rights Policy and Human Rights Due Diligence System
Important issues	Important issues		Human rights due diligence: human rights impact assessment rate	(Non- consolidated) FY2022: 100% (Consolidated) FY2025: 100%	(Non- consolidated) Incomplete	Senior management conducted     workshop to identify and     evaluate human rights risks,     Detected to reconsider methods     for risk identification and     evaluation.	
	Risk Management	Respond to various business-related risks and ensure business continuity by maintaining production systems, ensuring the proper procurement of raw materials, and strengthening measures against disasters	Implementation rate of risk control activities for business, etc., and top five risk control activities	100%	100%	Implemented Top 5 risk control activities at each factory of Nippon Kayaku (non-consolidated) and all Group companies (trends include increasing risks such as rising geopolitical risks, sharply rising raw material prices, and disruptions to the supply of raw materials) Conducted interviews regarding points considered to be important for the top 5 risks at two domestic factories and four overseas Group companies Domestic Group companies	
			Number of BCP drills conducted	Once or more per year	2 times	continued to use an emergency communication system introduced in FY2021 as a BCP drill in preparation for the occurrence of earthquakes  BCP drills were conducted under local consulting and guidance of Chinese Group companies	

- \*1 Number of serious accidents as judged by the Ethics Committee
- \*2 Losses of 10 million yen or more
- \*3 Accidents involving three or more people requiring time off work, or resulting in fatalities
- \*4 Targets for the end of FY2024

